

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd

USGS. resented application for Permit to Drill as of 12-17-81

DATE FILED 9-18-80

LAND. FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO

U-38400

INDIAN

DRILLING APPROVED: 10-16-80 OW

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: ~~UNDESIGNATED~~ 3/8 Natural Butte

UNIT:

COUNTY:

UINTAH

WELL NO.

DUCK CREEK #25-17 GR

LOCATION

1980'

FT. FROM (N) ☒ LINE.

660'

API NO. 43-047-30792

FT. FROM (E) ☒ LINE.SE $\frac{1}{4}$  NE $\frac{1}{4}$ 

1/4 - 1/4 SEC. 17

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

20E

17

BELCO PETROLEUM CORP.

SUBMIT INSTRUCTIONS  
 (other instructions on  
 reverse side)

1. Not approved.  
 2. Not approved.

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			Surface - Ute Tribe		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. UNIT AGREEMENT NAME		
2. NAME OF OPERATOR <b>BELCO PETROLEUM CORPORATION</b>			8. FARM OR LEASE NAME <b>Duck Creek</b>		
3. ADDRESS OF OPERATOR <b>P. O. BOX X, VERNAL, UTAH 84078</b>			9. WELL NO. <b>25-17GR</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>660' FEL &amp; 1980' FNL SE<math>\frac{1}{4}</math>NE<math>\frac{1}{4}</math></b> At proposed prod. zone <b>SAME</b>			10. FIELD AND POOL, OR WILDCAT <b>DC-Green River</b>		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approximately 4 miles South of Ouray, Utah</b>			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Section 17, T9S, R20E</b>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>660'</b>		16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH <b>Uintah</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40 Acres</b>		13. STATE <b>Utah</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4766' Natural G.L.</b>		19. PROPOSED DEPTH <b>5257'</b>		20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
22. APPROX. DATE WORK WILL START* <b>January, 1981</b>					

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	9 5/8"	36# K-55	200'	200 sx "G" cement
8 3/4"	5 1/2"	17# K-55	5257'	Sufficient to go 200' above uppermost Hydrocarbon zone.

10 Point Program  
13 Point Surface Use Plan  
Location Plat  
Location Layout  
TOPO Maps "A" & "B"  
BOP Design  
Production facilities Schematic

NEED TO PROTECT  
FRESHWATER AND  
MAHOGANY OIL SHALE

24. SIGNED J.C. Ball TITLE District Engineer DATE September 16, 1980  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 FOR E. W. GUYNN  
 DISTRICT ENGINEER  
 APPROVED BY W. J. Martin TITLE \_\_\_\_\_ DATE **NOV 12 1980**  
 CONDITIONS OF APPROVAL, IF ANY :

**NOTICE OF APPROVAL**

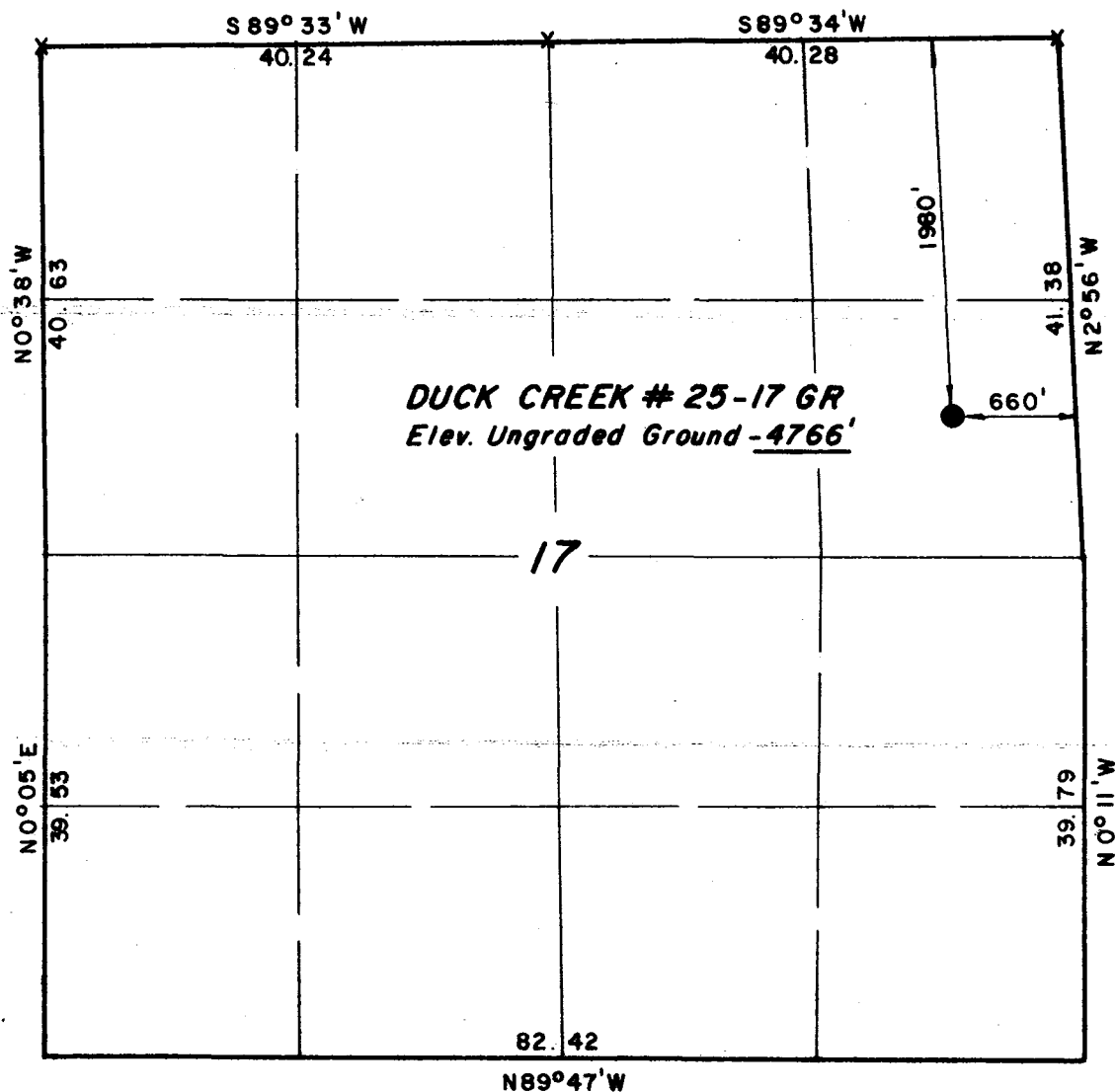
\*See Instructions On Reverse Side  
CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

**T 9 S , R 2 0 E , S . L . B . & M .**

**PROJECT**  
**BELCO PETROLEUM CORP.**

Well location, **DUCK CREEK # 25-17GR**,  
located as shown in the SE 1/4 NE 1/4  
Section 17, T9S, R20E, S.L.B. & M.  
Uintah County, Utah.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Nelson Marshall*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
**P.O. BOX Q - 110 EAST - FIRST SOUTH**  
**VERNAL, UTAH - 84078**

SCALE	1" = 1000'	DATE	9/11/80
PARTY	DA DK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	BELCO

X = Section Corners Located

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Belco Petroleum Corporation  
Project Type Oil Well in the Duck Creek Development Field  
Project Location 660' FEL & 1980' FNL - Sec. 17, T. 9S, R. 20E  
Well No. 25-17 GR Lease No. U-38400  
Date Project Submitted September 18, 1980

FIELD INSPECTION

Date October 2, 1980

Field Inspection  
Participants

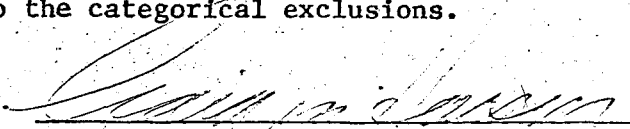
<u>Craig Hansen</u>	<u>USGS - Vernal</u>
<u>Dale Hanburg</u>	<u>BIA - Ft. Duchesne</u>
<u>Rick Schatz</u>	<u>Belco Petroleum</u>
<u>Bud Pease</u>	<u>Dirt Contractor</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Related Environmental Documents:  

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

October 8, 1980

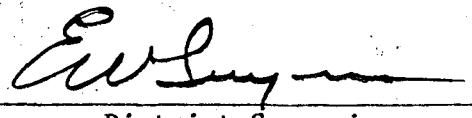
Date Prepared

  
Environmental Scientist

I concur

10/22/80

Date

  
District Supervisor

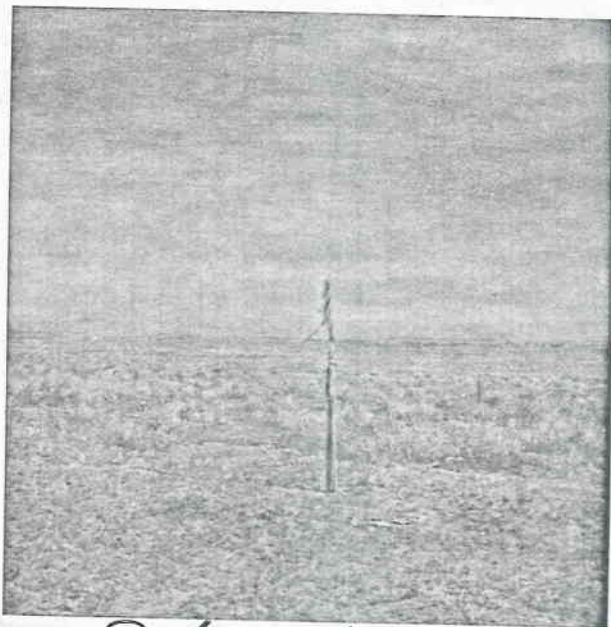
Typing In October 9, 1980 Typing Out October 9, 1980

## CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

[illegible]

RECOMMENDED STIPULATIONS FOR BELCO #25-17 GR:

1. Adhere to the basic stipulations by the Bureau of Indian Affairs on file in the Salt Lake City District Office.
2. Paint production facilities a color to blend in with the natural surroundings.



*Belco #25-17GR  
Looking north.*

## CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey  
(Conservation Division, Geological Division, Water Resource Division,  
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

NEGATIVE DECLARATION

APPROVAL BY SECRETARY OF THE INTERIOR OF Application for Permit  
to drill an oil well XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TO Belco Petroleum Corp. XXXXXXXXXX COVERING THE FOLLOWING  
DESCRIBED TRUST INDIAN LANDS IN Uintah COUNTY, STATE OF UTAH.

LEGAL DESCRIPTION:

SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>, Sec. 17, T9S., R20E., SLB&M.  
Located approximately 4 miles south of Ouray, Utah.

OWNERSHIP

/XX Surface Ute Tribe

/XX Sub-Surface Non-Indian

IT HAS BEEN DETERMINED AFTER REVIEW OF THE ACCOMPANYING ENVIRONMENTAL ANALYSIS,  
THAT THE APPROVAL OF THIS application IS NOT SUCH A MAJOR FEDERAL ACTION  
SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT AS TO REQUIRE THE  
PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT UNDER SECTION 102 (2) (c) OF  
THE NATIONAL ENVIRONMENTAL POLICY ACTION OF 1969 (42 U.S.C. § 4332 (2) (c)).

10/16/80  
DATE

L.W. Collins  
SUPERINTENDENT

FY: '81-2

LEASE NO. U-38400  
WELL NO. 25-17GR




UINTAH AND OURAY AGENCY  
ENVIRONMENTAL IMPACT ANALYSIS

1. PROPOSED ACTION: Belco Petroleum Corp. proposes to drill an Oil well ( 25-17GR ) to, a proposed depth of 5257 feet; to construct approximately 0.2 (~~XXX~~, miles) of new access road; and upgrade approximately 0 (~~XXX~~, miles) of existing access road.
2. LOCATION AND NATURAL SETTING: The proposed wellsite is located approximately 4 miles South of Ouray, Utah in the SE 1/4, Sec. 17 T. 9S., R. 20E., SLB&M meridian. This area is used for Livestock grazing and wildlife habitat. The topography is rolling hills. The vegetation consist of tumble weed, four wing salt bush, galletta grass, baby sunflower. Wildlife habitat for: X Deer X Antelope    Elk    Bear X Small Mammals X Birds    Endangered species    Other reptiles and insects.
3. EFFECTS ON ENVIRONMENT BY PROPOSED ACTION:
  - A. Soil will be disturbed and vegetation will be destroyed on 3.4 acres of well site and access road.
  - B. Dust and exhaust emissions will affect air quality during construction.
  - C. Tank batteries and equipment will affect scenic quality.
4. ALTERNATIVES TO THE PROPOSED ACTION: None
5. ADVERSE EFFECTS THAT CANNOT BE AVOIDED:

None of the adverse affects listed in item 3 above can be avoided in a practical manner.
6. DETERMINATION: This request action (~~does~~) (does not) constitute a major Federal action significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. s 4332 (2)(c)).

REPRESENTATIVE:

Craig Hansen - USGS  
Rick Schatz - Belco  
Bud Pease - Pease Bros. Const.

 10-15-80  
BIA Representative Date

COPY TO:

USGS, P.O. BOX 1037, Vernal, Utah 84078  
USGS, Dist, Engr., Cons. Div., 8426 Federal Building., Salt Lake City, Utah 84138

Lease #. U-38400

Well #. 25-17GR

To: USGS District Engineer

Subject: Belco Petroleum Corp., well 25-17GR  
in the SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, Sec. 17, T9S., R20E., SLB&M.

Based on available information on 10-2-80, we have cleared the proposed location in the following areas of environmental impact:

Yes X No        Air quality aspects (to be used only if project is in  
or adjacent to a Class I area of attainment)

Remarks: \_\_\_\_\_

Sale S. Hamburg

Enclosure

FROM : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-38400

OPERATOR: Belco Petroleum

WELL NO. 25-176R

LOCATION: C SE $\frac{1}{2}$  NE $\frac{1}{2}$  sec. 17, T. 9S, R. 20E, SLM

Uintah County, Utah

1. Stratigraphy:

Uintah surface

Green River 1790'

TD 5257'

2. Fresh Water:

Fresh water possible throughout Uintah Fm.

Useable water may occur in Green River to TD.

3. Leasable Minerals:

Oil Shale in the Green River Fm.

Mahogany zone occurs at 2665' and is ~85' thick.

Pods of saline minerals may occur within an 800' rock interval immediately above the Mahogany zone.

Prospectively valuable for gilsonite. Several mapped veins occur in the area.

4. Additional Logs Needed:

Adequate

5. Potential Geologic Hazards: None expected

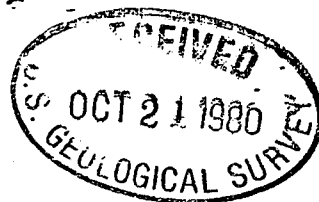
6. References and Remarks:

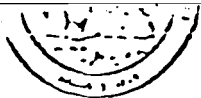
Signature:

Gregory W. Wood

Date:

10-3-80





GEOLOGICAL SURVEY  
Conservation Division  
8440 Federal Building  
Salt Lake City, Utah 84138

*Belco Petroleum*  
*T9S R20E*  
*Uintah County,*  
*CO #719-80-J*  
*Well #25-17GR*  
*Section #17*

Mr. Peter Rutledge  
Area Oil Shale Supervisor  
Area Oil Shale Office  
131 North Sixth, Suite 300  
Grand Junction, Colorado 81501

OCT 21 1980

OFFICE OF

AREA OIL SHALE SUPERVISOR

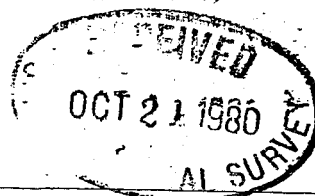
U.S. G.S.

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

U.S. Geological Survey  
8440 Federal Building  
125 South State Street  
Salt Lake City, Utah 84138



Belco 25-17GR  
Sec. 17, T9S, R20E

October 9, 1980

Proposed casing and cementing program indicates that cement volumes will be adequate to cover an interval 200' above the uppermost hydrocarbon zone. These volumes and interval considered should be revised, as necessary, to insure protection through the top of the Green River oil shale section.

*Ray A. Brady*  
Ray A. Brady  
Geologist

D-100  
17-95-20E

Date 10/13/80  
61-38402

Memorandum

*Cody*

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-38402 Well No. 25-176R

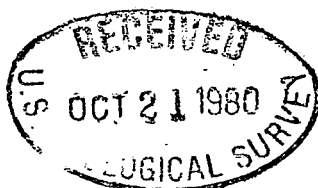
1. The location appears potentially valuable for:
  - ☐ strip mining\*
  - ☒ underground mining\*\* *oil shale - well should be located to avoid gilsonite veins*
  - ☐ has no known potential.
2. The proposed area is
  - ☐ under a Federal lease for \_\_\_\_\_ under the jurisdiction of this office.
  - ☒ not under a Federal lease under the jurisdiction of this office.
3. ☒ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

\*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at \_\_\_\_\_ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

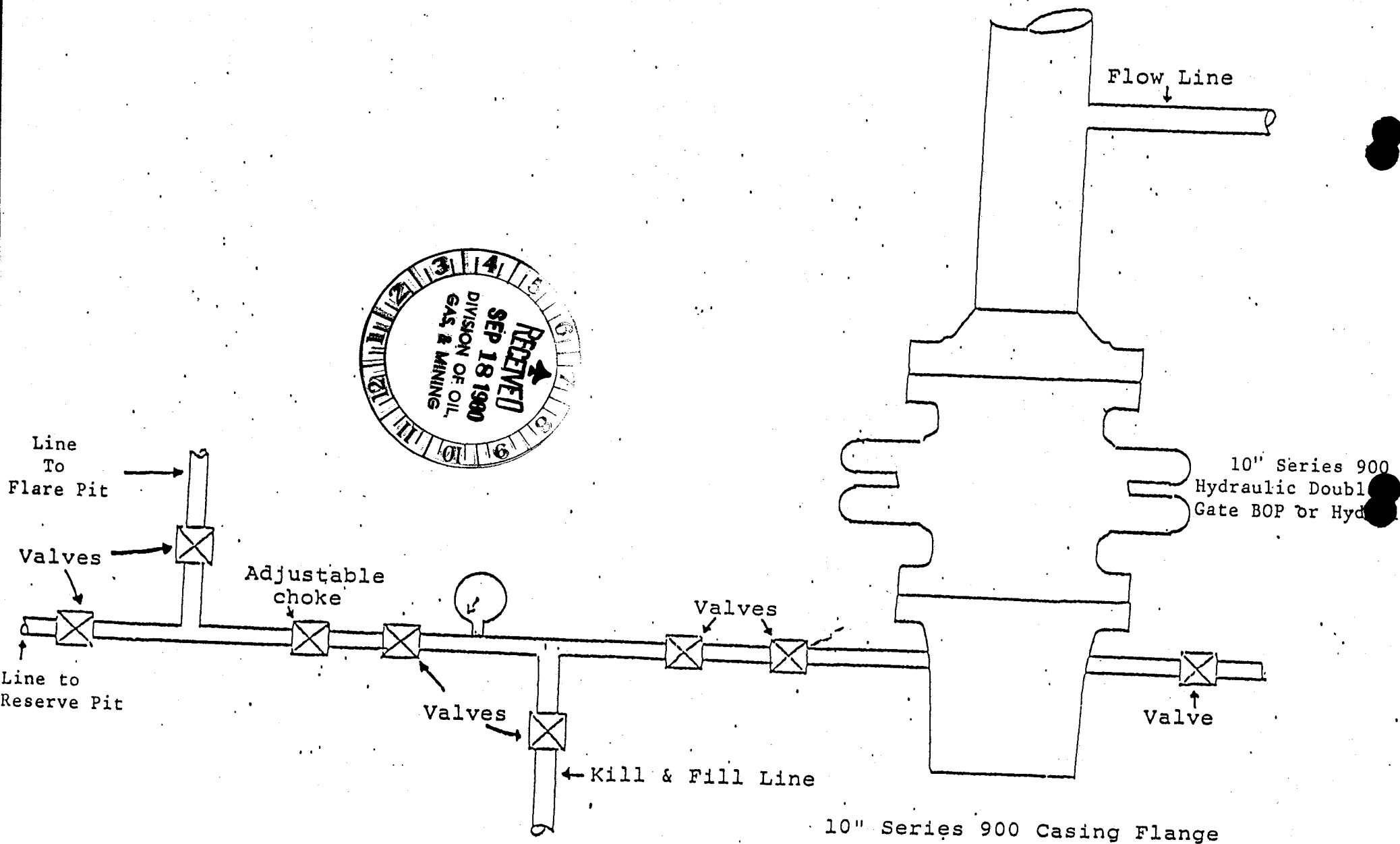
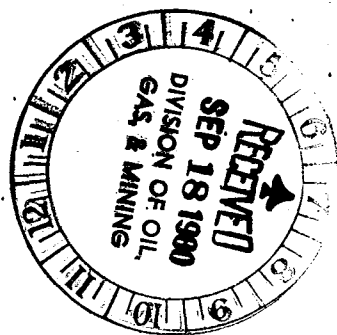
\*\*If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.



Signed

*Allen J. Vance*



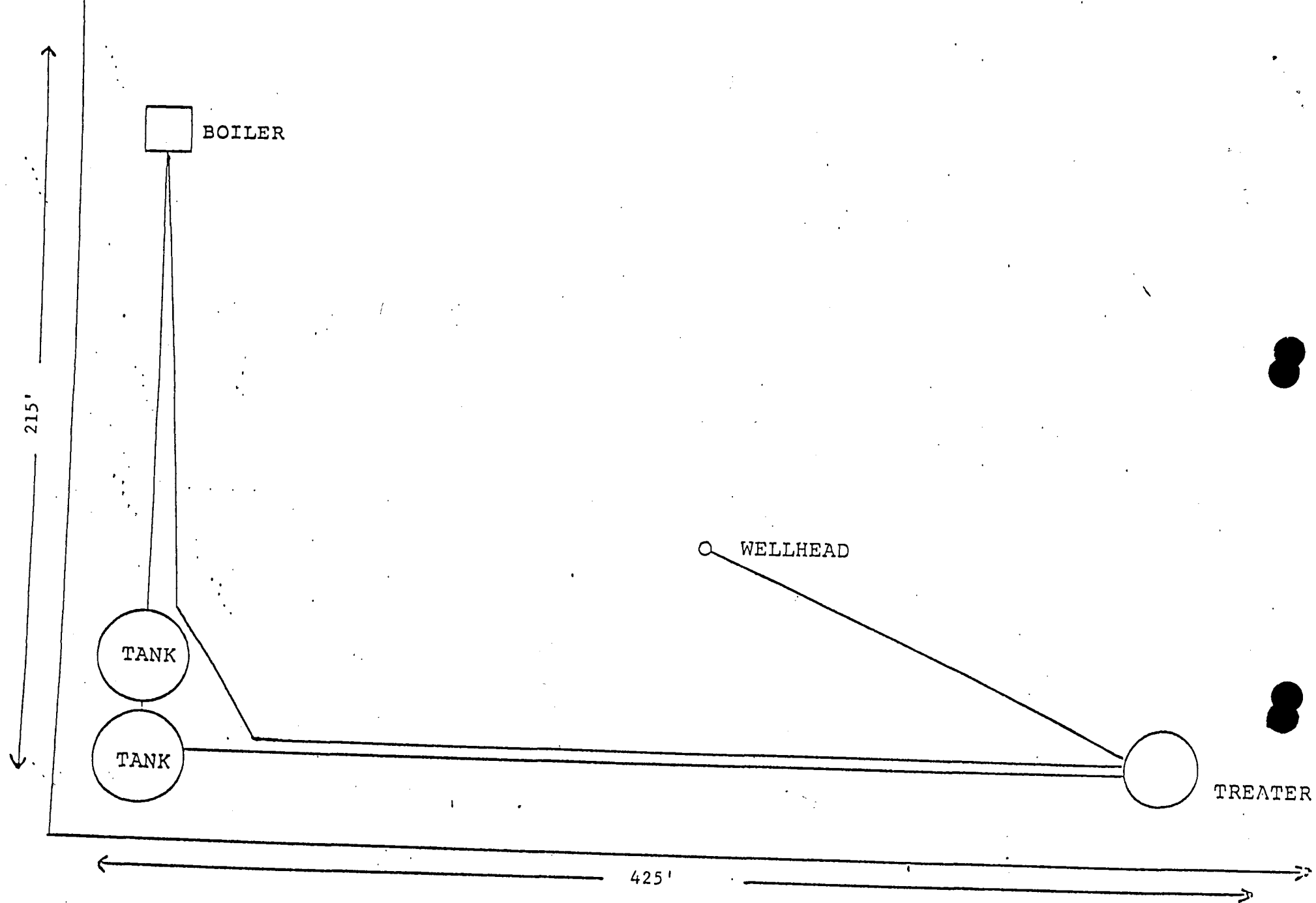
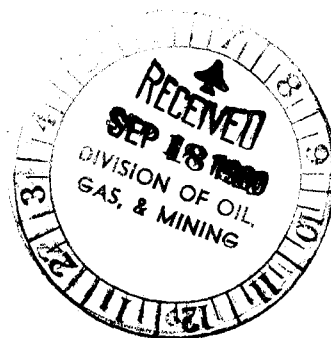


DIAGRAM "A"

PRODUCTION FACILITIES SCHEMATIC

10 POINT PROGRAM  
DUCK CREEK 25-17GR  
SECTION 17, T9S, R20E  
UINTAH COUNTY, UTAH



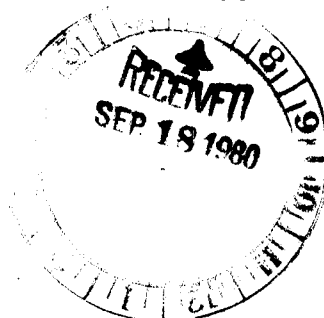


10 POINT PROGRAM

1. The geological name for the surface formation is the Uinta Formation of the Upper Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated KB elevation of 4778' are as follows:

Green River 1792'  
J zone 4100' (approx.)  
Total Depth 5257'

3. It is anticipated that the Green River formation may contain oil.
4. The proposed casing program for completion of this well will consist of 5 1/2" 17 # new K-55 casing; 200' of 9 5/8" 36# new K-55 surface casing will be run.
5. The operators minimum specifications for pressure control equipment are as follows:  
10", 3000 PSI hydraulic doublegate BOP. Pressure tests of BOP to 1000# will be made prior to drilling surface plug and on each trip for bit.
6. It is proposed that the hole will be drilled to the top of the J zone of the Green River formation with 3% KCL water as necessary in order to clean the hole. From the top of the J zone to Total Depth it is planned to drill the well with mud. The mud system will be a water based, gel-chemical weighted to 10.5 ppg, or as necessary for gas control.
7. Auxiliary equipment to be used will be a 2", 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of DIL, CNL, FDC and Gamma Ray with caliper.
9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H<sub>2</sub>S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately  
JANUARY 1981 and that the operations will last two weeks.



13 POINT SURFACE USE PLAN

DUCK CREEK 25-17GR



1. EXISTING ROADS

- A. For the location of the proposed well and the existing roads, see the attached Topographic Maps "A" and "B". The proposed well is located approximately 4 miles South of Ouray Utah.
- B. The proposed location is approximately 4 miles South of Ouray, Utah. To reach the location, take the county road approximately 3.8 miles South of Ouray. The well location and proposed access route are located in Section 17 Township 9S and Range 20E.
- C. The proposed route is outlined on Topographic Map "B".
- D. See Topographic Map "B".
- E. Not applicable.
- F. Access to the well site will be over existing county roads. The proposed access road will be crowned and ditched so as to accommodate rig traffic. See Topo Map "B" for details of the access road.

2. PLANNED ACCESS ROADS

See attached Topographic Map "B".

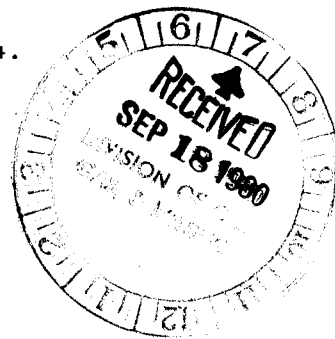
The planned access road (total length) will be approximately 1050' feet in length and will comply with the general specifications as outlined.

- (1) The proposed access road will be a 32 foot crown road usable 16 feet on either side of the centerline, with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run off from any normal weather conditions that are prevalent to this area.
- (2) The maximum grade of the proposed access road will be 4 %, but will not exceed this amount.
- (3) No turnouts are planned for the length of the proposed access road, so that additional cut disturbance on the proposed access can be kept to a minimum. Line of sight vision is such that turnouts are not necessary.
- (4) Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns. Drainage will be implemented so as not to cause siltation or accumulation of debris.
- (5) Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.
- (6) No fences will be crossed in order to access the proposed location; no cattle guard will be needed.

- (7) The road has been center-line flagged for the full distance of the proposed route.

3. LOCATION OF EXISTING WELLS

- (1) Water Wells- None
- (2) Abandoned Wells -None
- (3) Temporarily abandoned Wells - None
- (4) Disposal Wells-None
- (5) Drilling Wells - None
- (6) Producing Wells - Six, DC 6, DC 7, DC 16, DC 15, DC 14.
- (7) Shut in Wells - None
- (8) Injection Wells-None
- (9) Monitoring Wells - None



4. LOCATION OF EXISTING AND PROPOSED FACILITIES

- A. Existing production facilities located within one mile of the proposed well are:

- (1) Tank batteries - None
- (2) Production facilities-Just facilities located on pads of above producing wells.
- (3) Oil gathering lines-none
- (4) Gas gathering lines-none
- (5) There are no injection lines in the area.
- (6) There are no disposal lines in the area.

There are no known gas lines in the immediate area at this time.

- B. The attached diagram "A" shows the proposed production facilities that will be utilized in the event this well produces oil. All production facilities will be kept on the pad.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A three strand barbed wire fence will be constructed and maintained around any disposal pits during the drilling and completion phase of the well. When these pits are no longer needed or within 90 days, they will be covered over with native borrow material and rehabilitated to conform with the provisions of the rehabilitation agreement of BIA standards.

Guard rails will be constructed around the wellhead to prevent access to livestock or wildlife

Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil saved on the site. This area will be reseeded as per BIA specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water to be used to drill this well will be hauled by truck from the White River. Access point for the water will be near the White River bridge in Section 4, T9S, R20E, Uintah County, Utah. Permit for this water will be purchased from the Bureau of Indian Affairs, prior to the drilling operations.
- B. Water will be hauled by truck (Liquid Transport of Duchesne, PSC # 1969) on the above described access route. See access route on Topo Map "B". No new roads or pipelines will be needed for this purpose.
- C. No water well will be drilled.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time, but if they are required, appropriate action will be taken to acquire them from private sources after notification is given to the proper regulatory agencies.
- B. Items described in part "A" are from BIA regulated lands.
- C. See part "A".
- D. No other access roads are required other than described in Item 2.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad.
- B. See "A" above for disposal of drilling fluids.
- C. See "A" above for disposal of produced water.
- D. A portable chemical toilet will be provided for human waste during the drilling phase.
- E. Garbage and other waste materials will be contained in a wire mesh cage and then disposed of in an approved waste disposal facility.

- F. Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected, and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids.

8. ANCILLARY FACILITIES

No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

See attached Location Layout sheet which shows the following items:

- A. Cross section of the pad showing details of the cuts and fills.
- B. Location of the reserve pits, pipe racks, living facilities and topsoil stockpile and excess "cut" stockpile.
- C. Rig orientation, parking areas and access road.
- D. Pits will be lined to conserve water and will be fenced on the fourth side at the completion of operations. Proper NTL-2B notices will be filed if well produces water.

10. PLANS FOR RESTORATION OF SURFACE

In the event of a dry hole, pits will be allowed to dry and will then be backfilled and waste pits will be back filled. The location will be restored to as near the original contour as feasible and then reseeded.

- (1) Upon completion of the testing phase of the well, the areas not needed for access to the well and used for producing operations shall be filled and recontoured to blend with the surrounding topography and the stockpiled soil redistributed over the unused disturbed area. After final plugging and abandonment of the well, the entire disturbed area will be contoured and topsoil spread over any previously disturbed area.
- (2) The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BIA. It will be performed at a time of the year when the moisture content of the soil is adequate for germination. The Lessee agrees that all of the clean up and restoration activities shall be done in a diligent and timely manner and in conformity with the above mentioned items 7 and 10 (1).
- (3) All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from location. The fences will be maintained in good condition until Item (1) is started.
- (4) Any oil or condensate on any temporary pit will be removed in a timely manner. Overhead flagging or netting will be

installed on any sump pit used to handle well fluids during the producing life of the well.

- (5) Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days. All wellhead and surface equipment will be painted to blend with the environment, according to BIA specifications.

11. OTHER INFORMATION

Topography of the general area is relatively flat rolling terrain consisting of clay and stabilized sand dunes.

Vegetation in the area consists of four-wing saltbrush, tumbleweed, cotton horn horsebrush, spiny hop sage, curly grass, matchweed, greasewood, and a sparse population of Indian ricegrass.

Wildlife consists of reptiles, small rodents and birds.

Livestock grazing and mineral exploration are the only surface use activities in the area. All lands involved with this location are controlled by the BIA.

There is no water in the immediate vicinity of this location. No occupied dwellings or known archeological or cultural sites are in the area of this location.

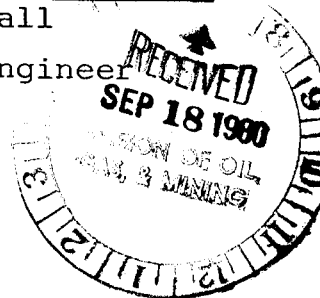
12. Belco Petroleum Corporation's representative for this operation will be Mr. J. C. Ball, District Engineer, P. O. Box X, Vernal, Utah 84078, telephone 1-801-789-0790.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist, that the statements made in this Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Belco Petroleum Corporation, its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

DATE 9-16-80

J. C. Ball  
District Engineer



**BUREAU OF INDIAN AFFAIRS**  
ADDITIONAL PROVISIONS TO THE SURFACE USE AND OPERATING PLAN

WELL NAME: Duck Creek 25-17GR

LOCATION: Section 17, T9S, R20E SE $\frac{1}{4}$ NE $\frac{1}{4}$   
Uintah County, Utah

1. FIREARMS:

Employees of Belco Petroleum Corporation, it's contractors and sub-contractors have been instructed not to carry firearms on the Uintah and Ouray Indian Reservation.

2. OFF ROAD TRAFFIC:

Employees of Belco Petroleum Corporation, it's contractors, and sub-contractors have been instructed to remain only on established roads and well sites.

3. FIREWOOD:

Employees of Belco Petroleum Corporation, it's contractors and sub-contractors have been notified of the requirements of the Bureau of Indian Affairs to obtain a wood permit from the Forestry Section before gathering any wood on the Uintah and Ouray Indian Reservation.

4. RESTORATION:

All topsoil will be stripped and stockpiled. When all drilling and production activities end or if abandonment is required, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Any drainages rerouted during the construction activities shall be restored as near as possible to their original line of flow. Restoration activities shall begin when the pit is sufficiently dry. Once activities have been completed, the location site and access road shall be reseeded with a seed mixture recommended by the Bureau of Indian Affairs when the moisture content of the soil is adequate for seed germination.

5. DISPOSAL OF PRODUCED WATERS:

No produced water is anticipated. However, if water is produced, Belco Petroleum Corporation will comply with all requirements of NTL-2B.

6. SIGNS:

A sign stating the following shall be placed on the access road to the location site:

AUTHORIZED PERSONNEL ONLY  
BELCO PETROLEUM CORPORATION  
WELL IDENTIFICATION  
FIREARMS ARE PROHIBITED  
THIS LAND IS OWNED BY THE UINTAH  
AND OURAY INDIAN RESERVATION  
PERMITS TO CUT FIREWOOD MUST BE OBTAINED  
FROM THE BIA FORESTRY SECTION PRIOR TO  
CUTTING OR GATHERING ANY WOOD ALONG THIS ROAD.

7. RIGHTS OF WAYS:

Right-of-way and damages will be paid as per the re-survey by Uintah Engineering and their affidavit of completion.



8. PERMITS FOR WATER OR EARTH FILL:

Water for this operation will be obtained from the White River, near the White River bridge in Section 4, T9S, R20E. Permit for water will be purchased before the drilling operations commence.

9. WEED CONTROL:

Belco Petroleum Corporation will initiate a plan for controlling noxious weeds alongside the location and road in accordance with BIA specifications.


10. LITTER:

All litter will be contained in a trash cage and removed from the location at the end of drilling and completion activities. The area will be groomed and cleaned before removal of the cage.

11. BENCH MARKS:

A Bench Mark will be established near the well site, set in concrete with a brass cap showing the well number and the elevation of the site.

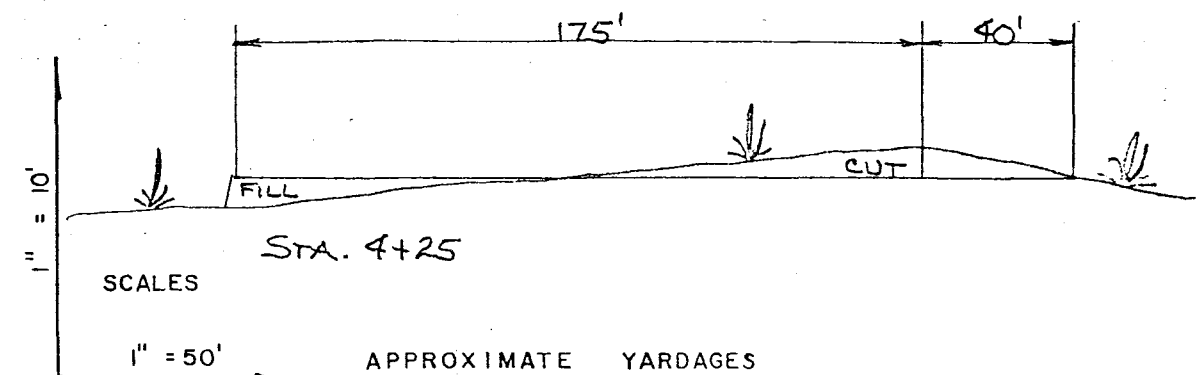
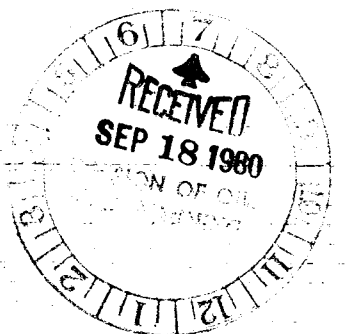
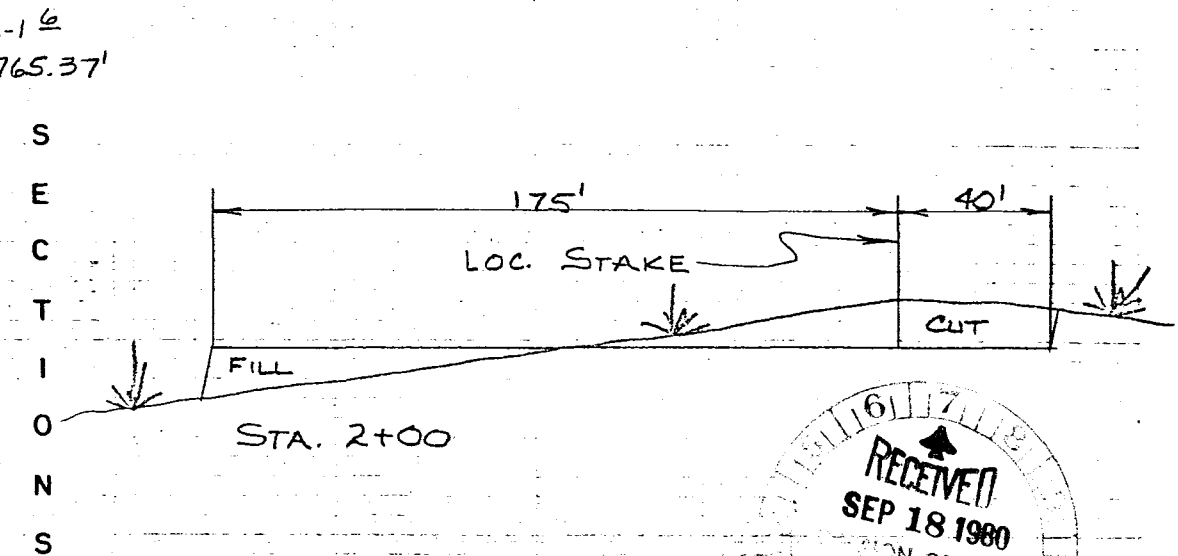
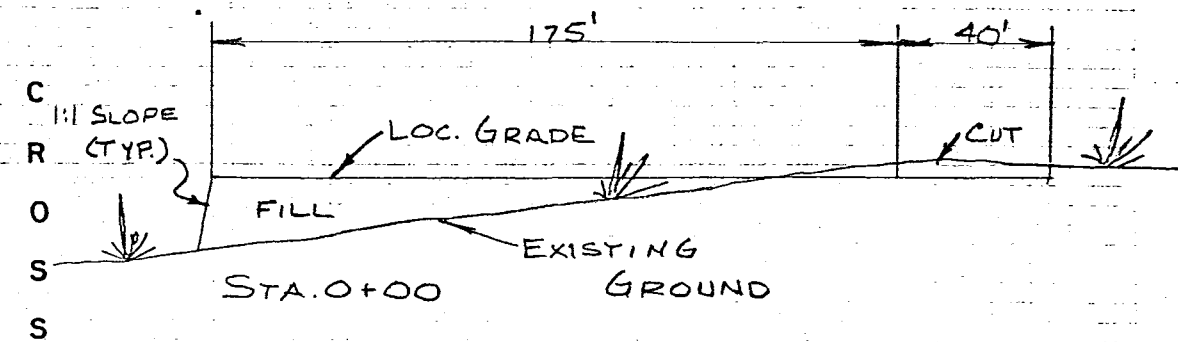
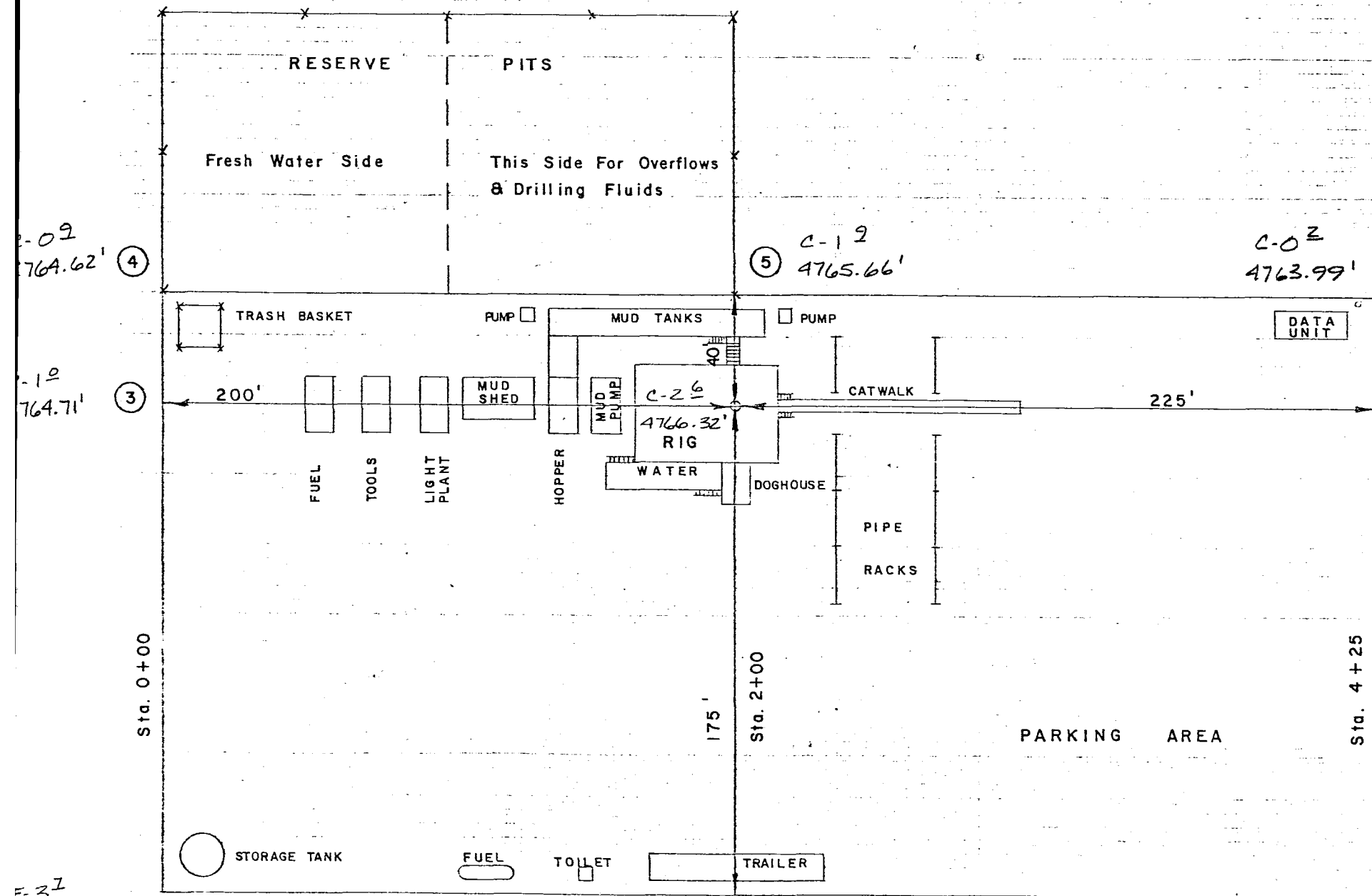
DATE: 9-16-80

  
J. C. BALL  
DISTRICT ENGINEER



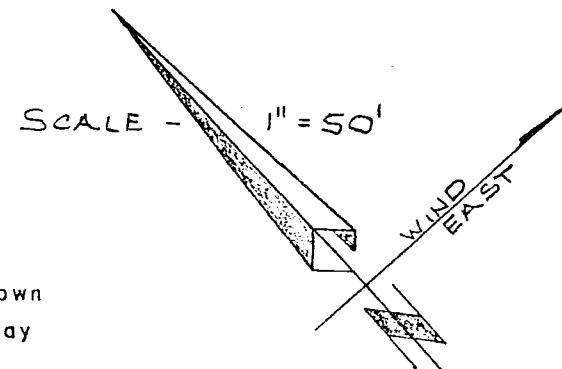
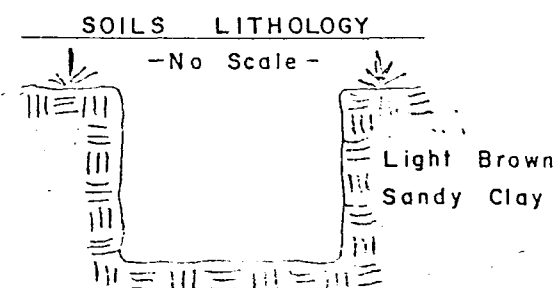
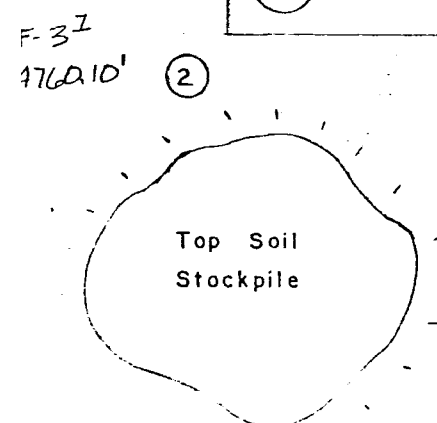
# BELCO PETROLEUM CORP.

DUCK CREEK #25-17 GR



Cubic Yards Cut - 2,268

Cubic Yards Fill - 2,149



BELCO PETROLEUM CORP.

PROPOSED LOCATION

DUCK CREEK #25-17GR

Topo.

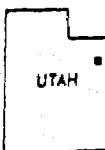
MAP "B"

SCALE - 1" = 5000'

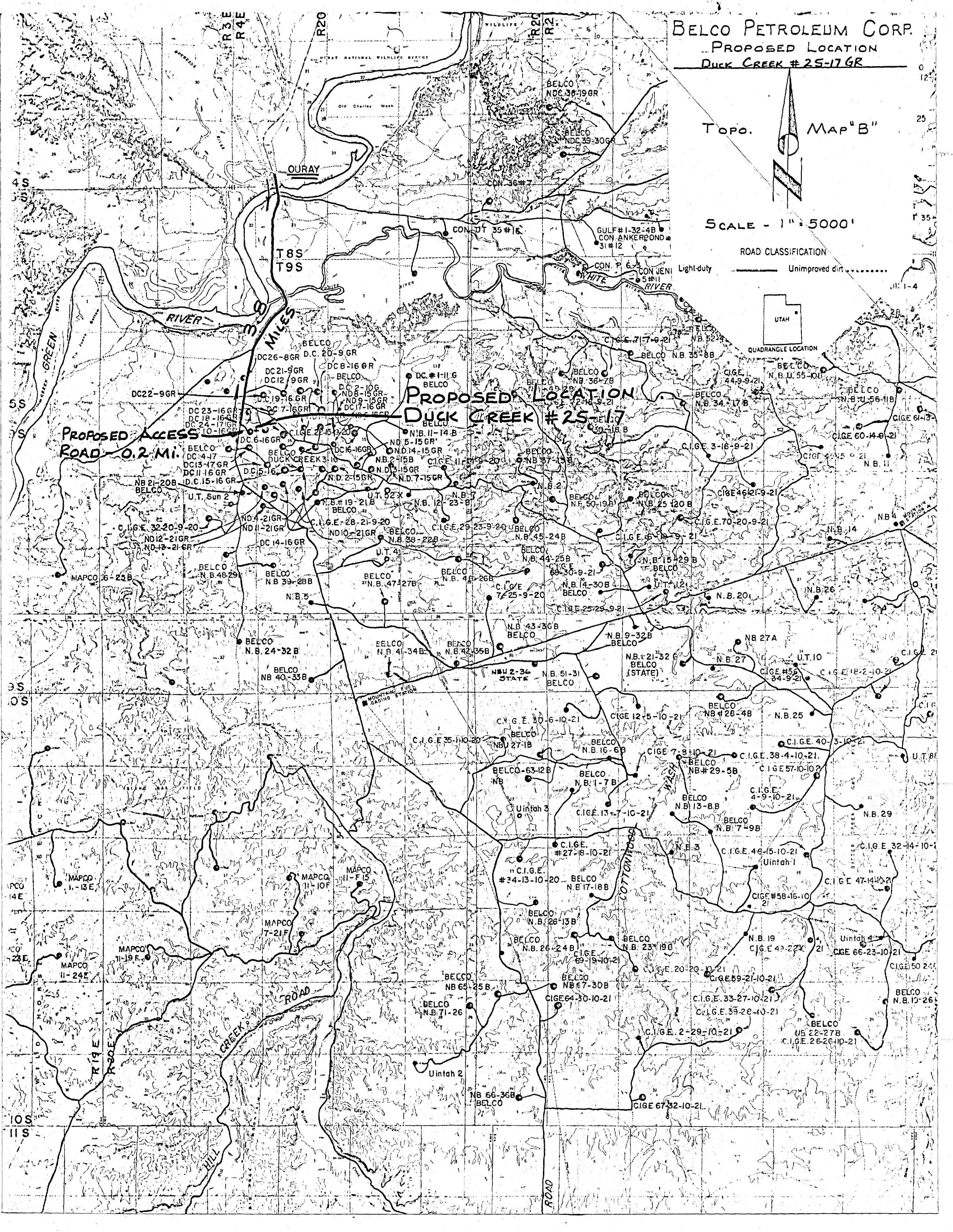
ROAD CLASSIFICATION

Light-duty

Unimproved dirt



QUADRANGLE LOCATION



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-38400
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Surface - Ute Tribe
2. NAME OF OPERATOR BELCO PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. BOX X, VERNAL, UTAH 84078		8. FARM OR LEASE NAME Duck Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FEL & 1980' FNL <u>SE 1/4 NE 1/4</u> At proposed prod. zone SAME		9. WELL NO. 25-17GR
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 4 miles South of Ouray, Utah		10. FIELD AND POOL, OR WILDCAT <del>DC Green River</del> <u>Under</u>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'	16. NO. OF ACRES IN LEASE	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 17, T9S, R20E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 5257' <u>Green River</u>	12. COUNTY OR PARISH Uintah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4766' Natural G.L.	17. NO. OF ACRES ASSIGNED TO THIS WELL 40 Acres	13. STATE Utah
22. APPROX. DATE WORK WILL START* January, 1981	20. ROTARY OR CABLE TOOLS Rotary	

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	9 5/8"	36# K-55	200'	200 sx "G" cement
8 3/4"	5 1/2"	17# K-55	5257'	Sufficient to go 200' above uppermost Hydrocarbon zone.

APPROVED BY THE DIVISION  
OF OIL, GAS, AND MININGDATE: 10-8-80BY: M. J. Munday

See attachments for:

10 Point Program

13 Point Surface Use Plan

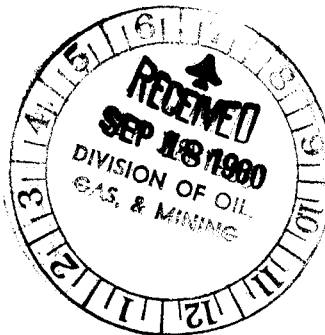
Location Plat

Location Layout

TOPO Maps "A" &amp; "B"

BOP Design

Production facilities Schematic



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J.C. Ball TITLE District Engineer DATE September 16, 1980  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

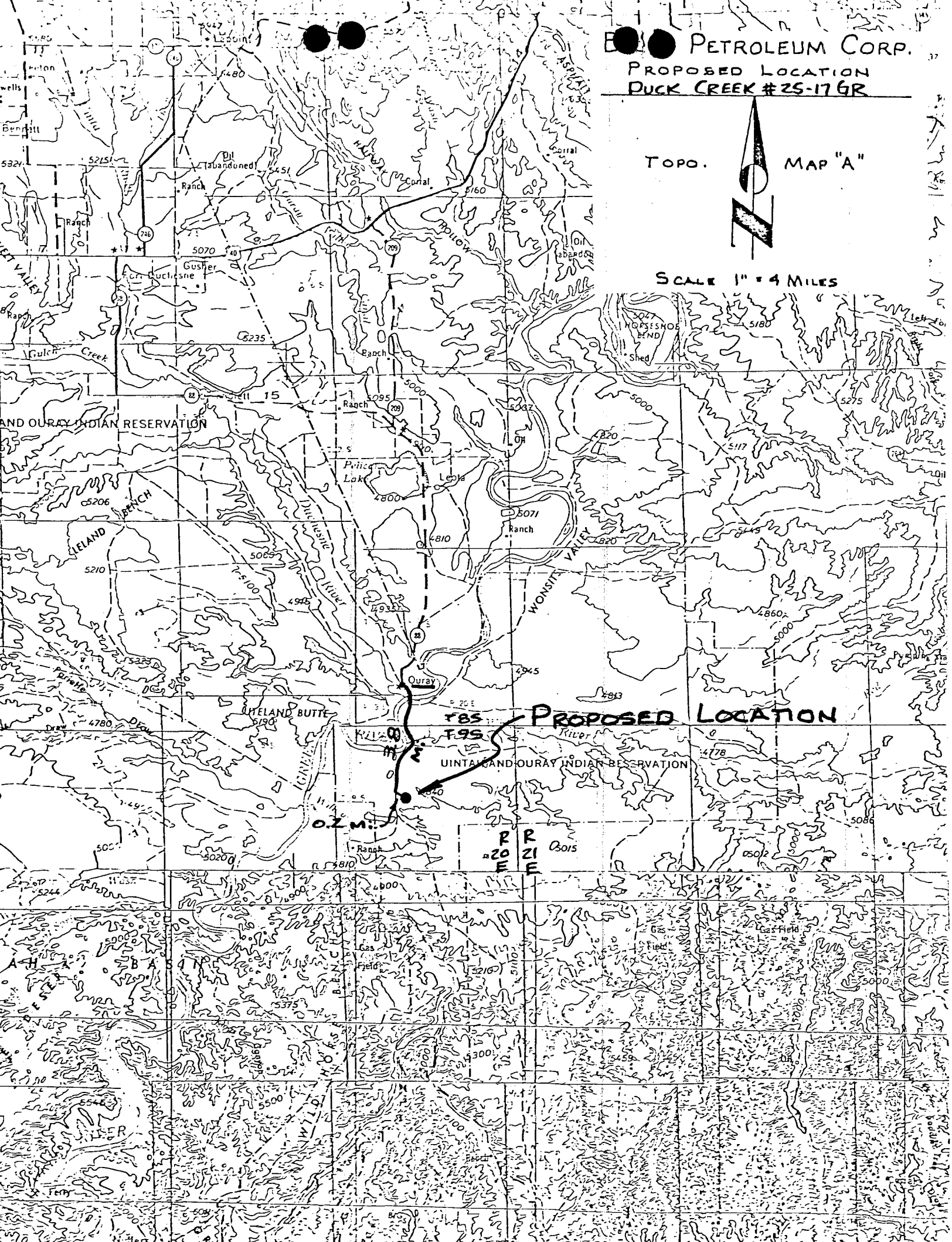
PETROLEUM CORP.  
PROPOSED LOCATION  
DUCK CREEK #25-176R

TOPO.

MAP "A"



SCALE 1" = 4 MILES



\*\* FILE NOTATIONS \*\*

DATE: September 29, 1980  
OPERATOR: Belco Petroleum Corporation  
WELL NO: Duck Creek # 25-176R  
Location: Sec. 17 T. 9S R. 20E County: Uintah

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-047-30792

CHECKED BY:

Petroleum Engineer: M.T. Winder 10-8-80

Director: \_\_\_\_\_

Administrative Aide: C:3 - 6C mail well spacing

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation ☒

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒



October 16, 1980

Belco Petroleum Corporation  
P. O. Box X  
Vernal, Utah 84078

Re: Well No. Duck Creek 25-17GR  
Sec. 17, T. 9S, R. 20E,  
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

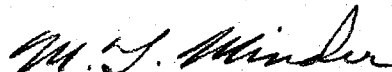
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30792.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder,  
Petroleum Engineer

/ka  
cc: USGS

## Belco Petroleum Corporation

# Belco

February 13, 1981

Utah Oil, Gas and Mining Division  
1588 W. North Temple  
Salt Lake City, Utah 84116

Attention: Cleon B. Feight

Re: Federal Lease No. U-38400  
Belco Lease No. 1533-009  
Proposed D.C. 32-17 Well  
Uintah County, Utah

Dear Mr. Feight:

Per our phone conversation of February 11, 1981, Belco is requesting administrative approval for a location exception for a Wasatch well to be located 760' FNL and 2204' FWL, Section 17, T9S-R20E, Uintah County, Utah.

This location was selected for topographic reasons and with the  $W\frac{1}{2}$  of Section 17, T9S-R20E being the designated spacing unit, this location is in conflict with Utah Spacing Order No. 187-2 which requires the location be at least 660' from the spacing unit line.

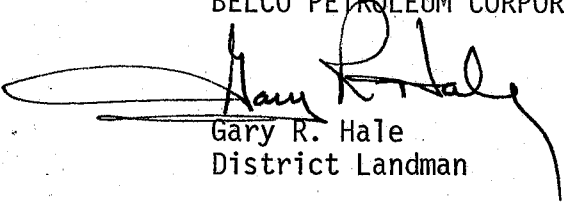
Since all of Section 17 is covered by the above lease, and our records show the ownership in all of Section 17 is the same, we feel a formal hearing would not be beneficial to anyone.

Please advise at your earliest convenience if this location is acceptable.

Thank you for your consideration.

Very truly yours,

BELCO PETROLEUM CORPORATION

  
Gary R. Hale  
District Landman

GRH/cl's

RECEIVED

FEB 17 1981

DIVISION OF  
OIL, GAS & MINING





SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
MAXILIAN A. FARBMAN  
EDWARD T. BECK  
E. STEELE McINTYRE

April 3, 1981

Belco Petroleum Corporation  
P.O. Box X  
Vernal, Utah 84078

Re: SEE ATTACHED SHEET

Gentlemen:

In reference to aboved mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not recieved any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. (If we do not hear from your company-within fifteen (15) days, we will assume you do not intend to drill these wells and action will be taken to terminate the application.) If you plan on drilling these location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND, MINING

SANDY BATES  
CLERK-TYPIST

ATTACHED SHEET

1. Well No. Chapita Wells #50-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah
2. Well No. Chapita Wells #51-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah
3. Well No. Chapita Wells #54-34  
Sec. 34, T. 9S. R. 23E.  
Uintah County, Utah
4. Well No. Chapita Wells #55-20  
Sec. 20, T. 9S. R. 23E.  
Uintah County, Utah
5. Well No. Chapita Wells #57-29  
Sec. 29, T. 9S. R. 23E.  
Uintah County, Utah
6. Well No. Duck Creek #19-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah
7. Well No. Duck Creek #21-9  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
8. Well No. Duck Creek #22-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
9. Well No. Duck Creek #23-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah
10. Well No. Duck Creek #25-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah
11. Well No. Duck Creek #26-8GR  
Sec. 8, T. 9S. R. 20E.  
Uintah County, Utah
12. Well No. Duck Creek #27-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
13. Well No. Duck Creek #28-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
14. Well No. Duck Creek #29-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
15. Well No. Duck Creek 30-9GR  
Sec. 9, T. 9S. R. 29E.  
Uintah County, Utah
16. Well No. Duck Creek #34-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah
17. Well No. Natural Duck #12-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah
18. Well No. Natural Duck #13-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah
19. Well NO. North Duck Creek 38-30GR  
Sec. 30, T. 8S. R. 21E.  
Uintah County, Utah
20. Well No. Stagecoach 16-26  
Sec. 26, T. 8S. R. 21E.  
Uintah County, Utah

Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3684

December 16, 1981

Belco Petroleum Corporation  
P.O. Box 2  
Vernal, Utah 84078

Re: Return Applications for  
Permit to Drill  
Well No. ~~25-1782~~ 33-1782  
Section 17, T. 9S, R. 20E.  
Uintah County, Utah  
Lease No. U-38400

Gentlemen:

The Application for Permit to Drill the referenced wells were approved November 12, 1980. Since that date no known activity has transpired at the approved locations. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced applications without prejudice. If you intend to drill at these locations on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS

for E. W. Gwynn  
District Oil and Gas Supervisor

bcc: DCM, CR, O&G, Denver  
EIA-Ft. Duchesne  
State Office (O&G)  
State Office (BIM)  
OGS-Vernal  
Well File  
APD Control

RAR/TE/tm

DEC 17 1981

ATTACHED SHEET

1. Well No. Chapita Wells #50-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah  
TERMINATE 5-29-81

2. Well No. Chapita Wells #51-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah  
TERMINATE 5-29-81

3. Well No. Chapita Wells #54-34  
Sec. 34, T. 9S. R. 23E.  
Uintah County, Utah  
USGS APPROVED UNTIL 9-16-81

4. Well No. Chapita Wells #55-20  
Sec. 20, T. 9S. R. 23E.  
Uintah County, Utah  
USGS APPROVED UNTIL 10-23-81

5. Well No. Chapita Wells #57-29  
Sec. 29, T. 9S. R. 23E.  
Uintah County, Utah  
USGS APPROVED UNTIL 10-23-81

6. Well No. Duck Creek #19-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah  
TERMINATE 4-24-81

7. Well No. Duck Creek #21-9  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
TERMINATE 4-24-81

8. Well No. Duck Creek #22-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 11-3-81

9. Well No. Duck Creek #23-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 11-3-81

10. Well No. Duck Creek #25-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 11-12-81

11. Well No. Duck Creek #26-8GR  
Sec. 8, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 10-22-80

12. Well No. Duck Creek #27-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 3-12-82

13. Well No. Duck Creek #28-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 3-12-82

14. Well No. Duck Creek #29-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 3-12-82

15. Well No. Duck Creek 30-9GR  
Sec. 9, T. 9S. R. 29E.  
Uintah County, Utah  
USGS APPROVED UNTIL 3-12-82

16. Well No. Duck Creek #34-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVED UNTIL 9-19-80

17. Well No. Natural Duck #12-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah  
SPUDED 4-3-81

18. Well No. Natural Duck #13-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVAL SHOULD ARRIVE THIS WEEK

19. Well No. North Duck Creek 38-30GR  
Sec. 30, T. 8S. R. 21E.  
Uintah County, Utah  
USGS APPROVED UNTIL 11-3-81

20. Well No. Stagecoach 16-26  
Sec. 26, T. 8S. R. 21E.  
Uintah County, Utah  
TERMINATED 10-7-80